

IN THE CLAIMS

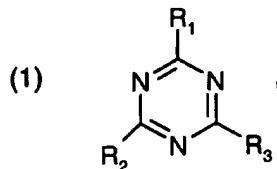
Kindly amend the claims to read as follows.

Claims 1-31 (canceled).

32. (currently amended): A method of protecting human and animal skin and hair against the damaging effects of UV radiation by treating the skin or hair with a cosmetic formulation, comprising a mixture of micronised organic UV filters selected from the group consisting of: triazine derivatives, benzotriazole derivatives, amides containing a vinyl group, cinnamic acid derivatives, sulfonated benzimidazoles, Fischer base derivatives, diphenylmalonic acid dinitriles, oxaryl amides, camphor derivatives, diphenyl acrylates, para-aminobenzoic acid (PABA) and derivatives thereof, salicylates and benzophenones, wherein the size of the micronized particles is from 0.02 to 2 μm .

33. (canceled).

2 34. (previously presented): A method according to claim 32, wherein the organic UV filters are chosen from triazine derivatives of formula



wherein

R₁, R₂ and R₃ are each independently of the others hydrogen; OH; C₁-C₁₈alkoxy; -NH₂; -NH-R₄;

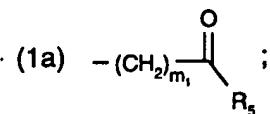
-N(R₄)₂; or -OR₄,

R₄ is C₁-C₅alkyl; phenyl; phenoxy; anilino; pyrrolo, wherein phenyl, phenoxy, anilino and pyrrolo are unsubstituted or may be substituted by one, two or three OH groups, carboxy, -CO-NH₂, C₁-C₅alkyl or C₁-C₅alkoxy; a methyldene-camphor group; a group of formula

-(CH=CH)_mC(=O)-OR₄; a group of formula or a corresponding

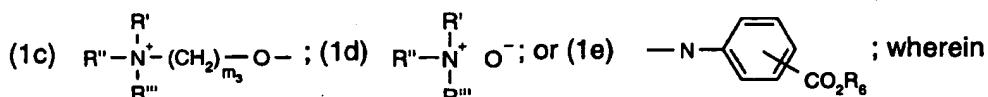
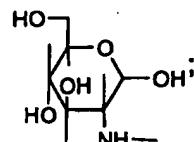
alkali metal, ammonium, mono-, di- or tri-C₁-C₄alkylammonium, mono-, di- or tri-

C_2 - C_4 alkanolammonium salt, or a C_1 - C_3 alkyl ester thereof; or a radical of formula



R_5 is hydrogen; C_1 - C_5 alkyl which is unsubstituted or substituted by one or more OH groups;

C_1 - C_5 alkoxy; amino; mono- or di- C_1 - C_5 alkylamino; M; a radical of formula (1b)



R' , R'' and R''' are each independently of the others C_1 - C_{14} alkyl which is unsubstituted or substituted by one or more OH groups;

R_6 is hydrogen; M; C_1 - C_5 alkyl; or a radical of formula $-(CH_2)_{m_2}-O-T_1$;

M is a metal cation;

T_1 is hydrogen; or C_1 - C_8 alkyl;

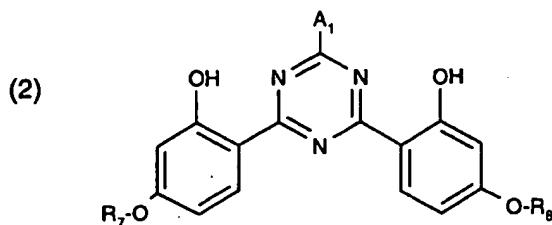
m is 0 or 1;

m_2 is from 1 to 4; and

m_3 is from 2 to 14.

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35. (previously presented): A method according to claim 32, wherein the organic UV filters are chosen from triazine derivatives of formula



wherein

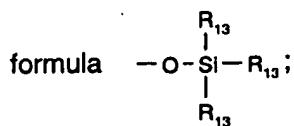
R_7 and R_8 are each independently of the other C_1 - C_{18} alkyl; C_2 - C_{18} alkenyl; a radical of formula

$-CH_2-CH(-OH)-CH_2-O-T_1$; or

R_7 and R_8 are a radical of formula (2a) $R_9-\left[\begin{array}{c} R_{10} \\ | \\ Si-O \\ | \\ R_{11} \end{array} \right]_{p_1}^{R_{10}}-\left[\begin{array}{c} R_{10} \\ | \\ Si-O \\ | \\ R_{11} \end{array} \right]_{p_1}^{R_{10}}$;

R₉ is a direct bond; a straight-chain or branched C₁-C₄alkylene radical or a radical of formula $-C_{m_1}H_{2m_1}-O-$;

R₁₀, R₁₁ and R₁₂ are each independently of the others C₁-C₁₈alkyl; C₁-C₁₈alkoxy or a radical of

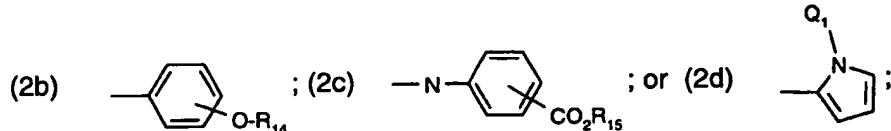


R₁₃ is C₁-C₅alkyl;

m₁ is from 1 to 4;

p₁ is from 0 to 5;

A₁ is a radical of formula



R₁₄ is hydrogen; C₁-C₁₀alkyl, -(CH₂CHR₁₆-O)_{n₁}-R₁₅; or a radical of formula -CH₂-CH(-OH)-CH₂-O-T₁;

R₁₅ is hydrogen; M; C₁-C₅alkyl; or a radical of formula -(CH₂)_{m₂}-O-(CH₂)_{m₃}-T₁;

R₁₆ is hydrogen; or methyl;

T₁ is hydrogen; or C₁-C₈alkyl;

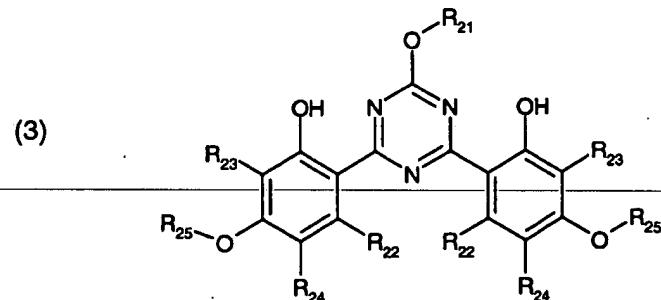
Q₁ is C₁-C₁₈alkyl;

M is a metal cation;

m₂ and m₃ are each independently of the other from 1 to 4; and

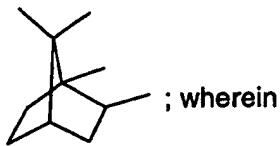
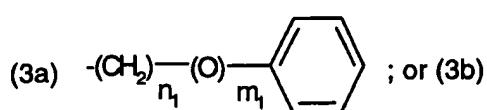
n₁ is from 1 to 16.

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36. (previously presented): A method according to claim 32, wherein the organic UV filters are chosen from triazine derivatives of formula



wherein

R_{21} is C_1 - C_{30} alkyl; C_2 - C_{30} alkenyl; C_5 - C_{12} cycloalkyl unsubstituted or mono- or poly-substituted by C_1 - C_5 alkyl; C_1 - C_5 alkoxy- C_1 - C_{12} alkyl; amino- C_1 - C_{12} alkyl; C_1 - C_5 monoalkylamino- C_1 - C_{12} alkyl; C_1 - C_5 dialkylamino- C_1 - C_{12} alkyl; a radical of formula



; wherein

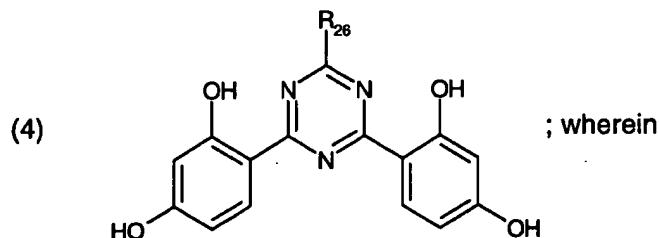
R_{22} , R_{23} and R_{24} are each independently of the others hydrogen, -OH; C_1 - C_{30} alkyl, C_2 - C_{30} alkenyl,

R_{25} is hydrogen; or C_1 - C_5 alkyl;

m_1 is 0 or 1; and

n_1 is from 1 to 5.

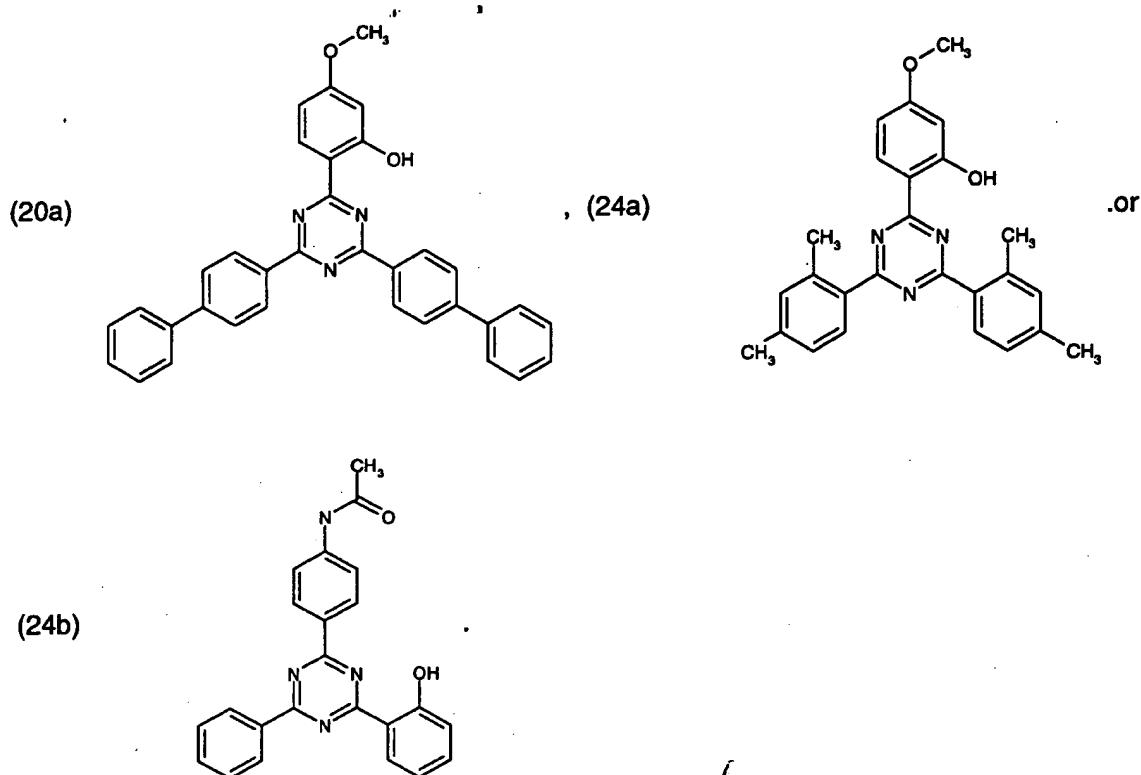
5 37. (previously presented): A method according to claim 32, wherein the organic UV filters are chosen from triazine derivatives of formula



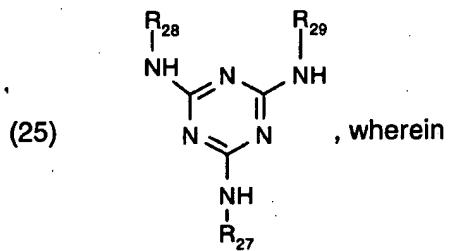
R_{26} is $\begin{array}{c} (CH_2)_r-CH_3 \\ | \\ -N- \\ | \\ (CH_2)_s-CH_3 \end{array}$; and

r and s are each independently of the other from 0 to 20.

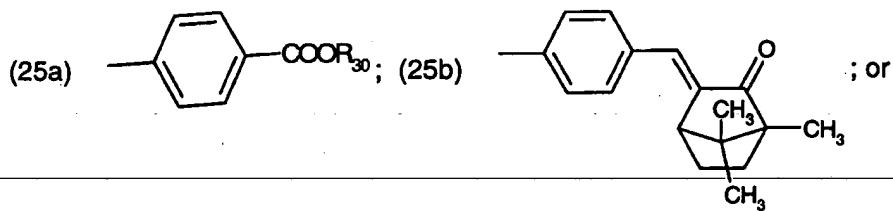
6 38. (previously presented): A method according to claim 32, wherein the organic UV filters are chosen from triazine derivatives of formula

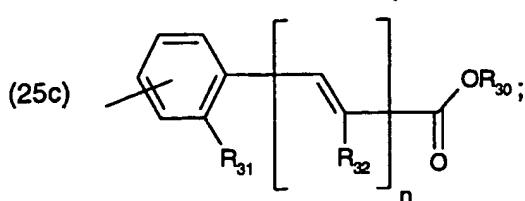


7 39. (previously presented): A method according to claim 32, wherein the organic UV filters are chosen from triazine derivatives of formula



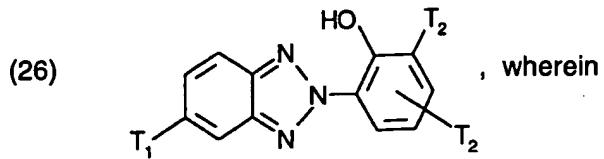
R₂₇, R₂₈ and R₂₉ are each independently of the others a radical of formula





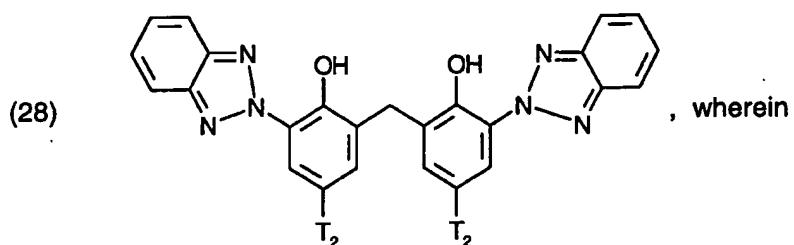
- R_{30} is hydrogen; an alkali metal; or an ammonium group $-N(R_{33})_4$,
 R_{33} is hydrogen, C_1-C_5 alkyl; or a polyoxyethylene radical that has from 1 to 10 ethylene oxide units and the terminal OH group is optionally etherified with a C_1-C_5 alcohol;
 R_{31} is hydrogen; $-OH$; or C_1-C_6 alkoxy;
 R_{32} is hydrogen or $-COOR_{30}$; and
 n is 0 or 1.

8 40. (previously presented): A method according to claim 32, wherein the organic UV filters are chosen from benzotriazole derivatives of formula



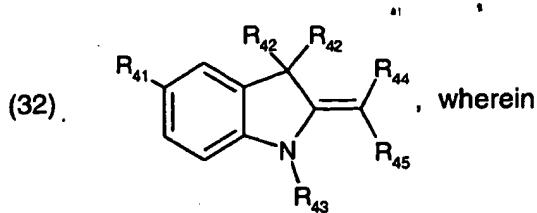
- T_1 is C_1-C_5 alkyl or hydrogen; and
 T_2 is C_1-C_5 alkyl or phenyl-substituted C_1-C_5 alkyl.

9 41. (previously presented): A method according to claim 32, wherein the organic UV filters are chosen from benzotriazole derivatives of formula



- T_2 is C_1-C_4 alkyl, isoctyl, or phenyl-substituted C_1-C_5 alkyl.

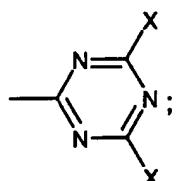
10 42. (previously presented): A method according to claim 32, wherein the Fischer base aldehydes correspond to formula



R₄₁ is hydrogen; C₁-C₅alkyl; C₁-C₁₈alkoxy; or halogen;

R₄₂ is C₁-C₈alkyl; C₅-C₇cycloalkyl; or C₆-C₁₀aryl;

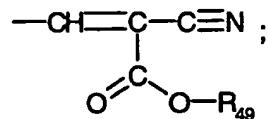
R₄₃ is C₁-C₁₈alkyl or a radical of formula (32a)



R₄₄ is hydrogen; or a radical of formula



R₄₅ is

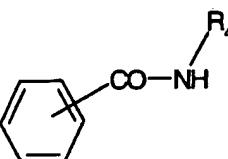


R₄₆ and R₄₇ are each independently of the other hydrogen; or C₁-C₅alkyl;

R₄₈ is hydrogen; C₁-C₅alkyl; C₅-C₇cycloalkyl; phenyl; phenyl-C₁-C₃alkyl;

R₄₉ is C₁-C₁₈alkyl;

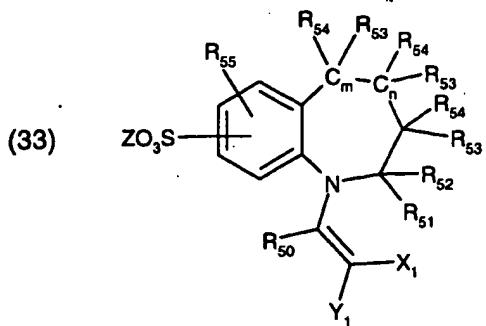
X is halogen; a radical of formula (32c)



(32d)

n is 0 or 1.

43. (previously presented): A method according to claim 32, wherein the organic UV filters are chosen from compounds of formula



wherein

R_{50} , R_{51} , R_{52} , R_{53} , R_{54} are each independently of the others hydrogen, C_1 - C_8 alkyl or C_5 - C_{10} cycloalkyl;

R_{55} is hydrogen; C_1 - C_8 alkyl; C_5 - C_{10} cycloalkyl; hydroxyl; C_1 - C_8 alkoxy; $COOR_{56}$; or $CONR_{57}R_{58}$;

R_{56} , R_{57} and R_{58} are each independently of the others hydrogen or C_1 - C_8 alkyl;

X and Y are each independently of the other hydrogen, -CN; CO_2R_{59} ; $CONR_{59}R_{60}$; or COR_{59} ;

it being possible for the radicals X and Y additionally to be a C_1 - C_8 alkyl radical, a C_5 - C_{10} cycloalkyl radical or a heteroaryl radical having 5 or 6 ring atoms, it also being possible for X and Y or

R_{50} together with one of the radicals X and Y to be the radical for completing a 5- to 7-membered ring which may contain up to 3 hetero atoms, it being possible for the ring atoms to be substituted by exocyclically double-bonded oxygen and/or by C_1 - C_8 alkyl and/or by C_5 - C_{10} cycloalkyl radicals and/or to contain $C=C$ double bonds;

Z is hydrogen; ammonium; an alkali metal ion; or the cation of an organic nitrogen base used for neutralisation of the free acid group,

R_{59} and R_{60} are each independently of the other hydrogen, C_1 - C_8 alkyl or C_5 - C_{10} cycloalkyl; and n and m are each independently of the other 0 or 1.

12 44. (previously presented): A process for the preparation of mixtures of the organic UV filters suitable for the method defined in claim 32, wherein the UV filters, which are in micronised form, are intimately mixed together.

13 45. (previously presented): A process for the preparation of mixtures of the organic UV filters suitable for the method defined in claim 32, wherein the organic UV filters are micronised in the form of mixtures of at least two single substances.

14 46. (previously presented): A process for the preparation of mixtures of the organic UV filters suitable for the method defined in claim 32, wherein at least two single substances are melted together, the melt is cooled and the resulting composite is then subjected to a micronisation process.

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47. (previously presented): A composite, obtained by melting together an organic UV filter as defined in claim 32.

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148. (previously presented): A composite according to claim 47, wherein an inorganic pigment is additionally incorporated into the mixture.

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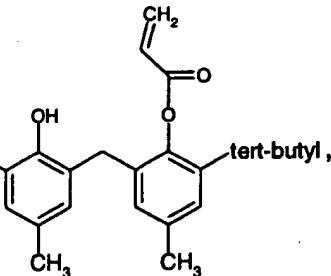
149. (previously presented): A composite according to claim 48, wherein the inorganic pigments are selected from TiO₂, ZnO, iron oxides, mica and titanium or zinc salts of organic acids.

150. (previously presented): A composite, obtained by melting together at least two of the organic UV filters defined in claim 32 and at least one antioxidant.

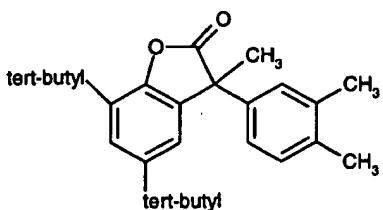
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151. (previously presented): A composite according to claim 50, wherein the antioxidant is selected from tocopherols, ellagic acid, propyl gallate, butylated hydroxytoluene, butylated hydroxyanisole, 2,4,6-tris(3,5-di-tert-butyl-4-hydroxybenzyl)mesitylene, tetrakis[methylene-3-(3',5'-di-tert-butyl-4'-hydroxyphenyl)propionate]methane, the compound of formula

tert-butyl-



the compound of formula



acid derivatives, rutinic acid, rutinic acid derivatives; urocanic acid, urocanic acid derivatives; and propolis.

20

52. (previously presented): A composite, obtained by melting together an organic UV filter as defined in claim 32 and at least one antioxidant, and one or more inorganic pigments.

21
53. (previously presented): A method according to claim 32, wherein a cationic or anionic compound is incorporated into the mixture.

22
54. (previously presented): A composite, obtained by melting together an organic UV filter as defined in claim 32 and at least one cationic or anionic compound.

23
55. (previously presented): A method according to claim 32, wherein a pharmaceutical or cosmetic active ingredient is additionally incorporated into the mixture.

24
56. (previously presented): A cosmetic formulation, comprising an organic UV filter as defined in claim 32, optionally one or more compounds selected from the group consisting of antioxidants, inorganic pigments and cationic or anionic compounds, and also a cosmetically acceptable carrier or adjuvant.

25 24
57. (previously presented): A cosmetic formulation according to claim 58, which additionally comprises an oil-soluble, non-micronised UV filter.

26
58. (previously presented): A pharmaceutical formulation, comprising an organic UV filter as defined in claim 32, optionally one or more compounds selected from antioxidants, inorganic pigments and cationic or anionic compounds, and also a pharmaceutically acceptable carrier or adjuvant.